

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-028248

(43)Date of publication of application : 30.01.1996

(51)Int.Cl. F01N 3/02
F01N 3/02
F01N 3/02
F01N 9/00

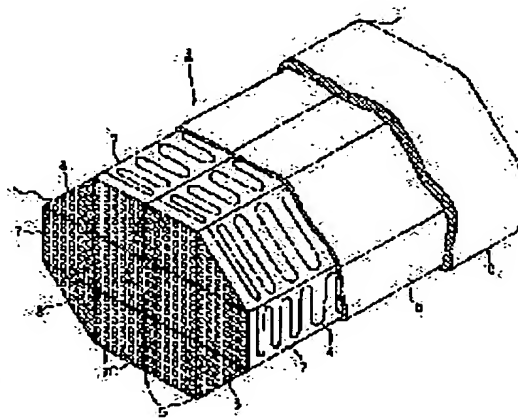
(21)Application number : 06-161939 (71)Applicant : IBIDEN CO LTD
(22)Date of filing : 14.07.1994 (72)Inventor : NARUSE KAZUYA
ONO TETSUSHI
SHIMADO KOJI

(54) EXHAUST EMISSION CONTROL DEVICE

(57)Abstract:

PURPOSE: To prevent the occurrence of a combustion peak during regeneration and to improve regeneration efficiency and durability by a method wherein a heat generating body is embedded in a sealant and formed integrally with a filter and a heat generating amount mechanism is coupled to the heat generating body.

CONSTITUTION: A plurality of filter units 7 and 8 formed of porous ceramic consist mainly of a filter 3 formed in such a manner that a sealant 5 formed of a resilient material is located between the units for integral adhesion. A heat generating body 4 having a heat generating amount control mechanism is embedded in the sealant 5 and formed integrally with the filter 3. In this constitution, a heat generating amount control mechanism controls a heat generating amount of the heat generating body 4 according to propagation of heat generated through combustion of particulate in the filter 3. The control described above suppresses the occurrence of combustion peak and prevents the generation of a crack. Thus, a device having excellent durability and combustion efficiency (regeneration efficiency) is provided.



LEGAL STATUS

[Date of request for examination] 07.05.2001

[Date of sending the examiner's decision] 13.08.2002

BEST AVAILABLE COPY

of rejection]

[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's 2002-17567
decision of rejection]

[Date of requesting appeal against 12.09.2002
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office